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TOPSECRET 281854Z CITE 7916 1966 JUL 28 19 24Z	25 X 1
	25 X 1
1. THE PRESENT STELLAR DATA REDUCTION PROGRAM (SQUID) PROVIDES	
THE VARIANCE OF STELLAR IMAGE COORDINATE MEASUREMENTS AND THE	
THE VARIANCE OF STREET ACCENCION DECLINATION. AND SWING	1
COVARIANCE MATRIX OF THE RIGHT ASCENSION, DECLINATION, AND SWING	
OF THE STELLAR CAMERA. THE PROGRAM IS BEING MODIFIED SO THAT THE	u U
STANDARD DEVIATIONS ("ONE SIGNA REDUCTION ACCURACY") OF ROLL, PITCH	н , 29 JUL 1966
AND YAW CAN BE OUTPUT. THE ERROR PROPOGATION WILL REQUIRE THE INPI	DICTRIBUTION Z
OF THE COVARIANCE OF CAMERA POSITION (FOR THIS PURPOSE, WE WILL	Cy No. Office Act.
USE THE ALONG TRACK AND CROSS TRACK VARIANCES INDICATED IN APPENDI	X Cs
USE THE ALUNG INACA AND CROSS INGO THE STATE OF STREET OF ALL STELLAR EXPOSUR	ADMIN ES SEC BR
A OF AN EARLIER COMMUNICATION). CONCURRENTLY, ALL STELLAR EXPOSUR	P & DS CSD
FROM MISSION 4028 WILL BE GRADED ACCORDING TO IMAGE QUALITY,	CPI
GEOMETRY, ETC. IT IS EXPECTED THAT THE MODIFIED SQUID PROGRAM WIL	
HAVE BEEN DEBUGGED, THAT THE DATA FROM MISSION 4028 WILL HAVE BEEN	
RUN THROUGH THE MODIFIED SQUID PROGRAM AND THAT THE STANDARD	7// IAD
RUN THROUGH THE MODIFIED SQUID PROGRAM THE DEEM CORPETATED WITH	PAG DIAXX-4
DEVIATIONS" OF ROLL, PITCH, AND YAW WILL HAVE BEEN CORRELATED WITH	SPAD
THE IMAGE QUALITY, GEOMETRY, ETC. BY 15 AUGUST 1966. IF THE SAME	NSA-LO DIA-AP
DATA REDUCTIONS ARE REQUIRED FOR THE OTHER MISSIONS MENTIONED,	
ADDITIONAL TIME (DEPENDING ON WORK LOAD, AT LEAST ONE MORE MONTH)	Advance copy Sanitized
WILL BE REQUIRED. Declassification Review by NGA/DoD	

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WILL BE REQUIRED.

-2-

2. THE STRIP TO INDEX RELATIVE ORIENTATION PROGRAM (SIRO) IS
STILL IN THE DEBUGGING STAGE. ONE VERTICAL STRIP PHOTOGRAPH WITH
SEVEN FRAMES OF CONCURRENT INDEX COVERAGE FROM MISSION 4028 HAVE
BEEN AVAILABLE FOR MENSURATION. IT IS EXPECTED THAT THE SIRO
PROGRAM WILL HAVE BEEN DEBUGGED, THAT THE MENSURATION OF CORRESPONDING IMAGERY ON AT LEAST THREE OF THE INDEX FRAMES AND ON
THE STRIP PHOTOGRAPH WILL HAVE BEEN COMPLETED, AND THAT THE RELATIVE
ORIENTATION OF THOSE THREE INDEX FRAMES TO THE STRIP PHOTOGRAPHY
WILL HAVE BEEN DETERMINED BY 15 AUGUST 1966. IF RELATIVE ORIENTATIONS
ARE REQUIRED FOR OTHER EXPOSURES AND/OR CRAB ANGLES FROM MISSION
4028 AND/OR IF RELATIVE ORIENTATIONS ARE REQUIRED FOR THE REMAINING
MISSIONS MENTIONED, ADDITIONAL TIME WILL BE REQUIRED.
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/END OF MESSAGE/